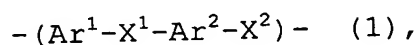


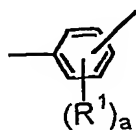
BLOCK COPOLYMER AND USE THEREOF

Abstract

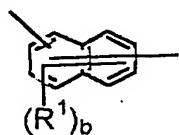
The present invention provides a block copolymer comprising at least one segment having an acid group and at least one segment substantially free from an acid group, wherein the segment having an acid group comprises a repeating unit which is a substituted repeating unit represented in the formula (1) with an acid group,



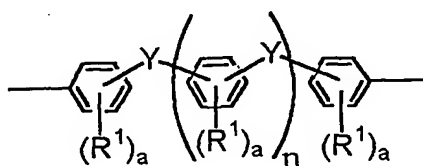
and in the formula (1), X^1 and X^2 being each independently -O- or -S-, Ar^1 and Ar^2 being each independently an aromatic group selected from the groups represented by the following formulae (2) to (4).



(2)



(3)



(4)